

Fig. 1



Hermite-Gaussian
mode VCSEL:
Fig. 2a

Laguerre-Gaussian
mode VCSEL:
Fig. 2b

Fig. 3a

1

2

Fig. 3b



Fig. 3c

3



4

Fig. 3d



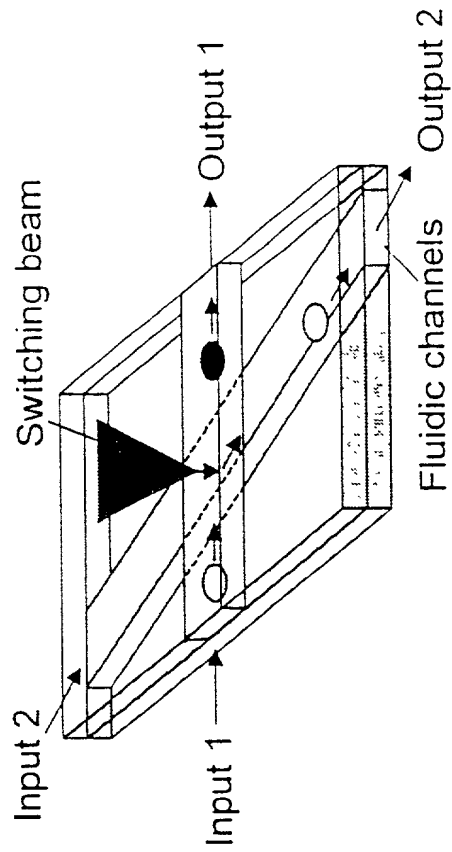


Fig. 4a

Side view:

Optical beam off:

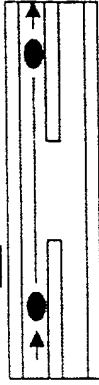


Fig. 4b

Optical beam on:



Fig. 4c

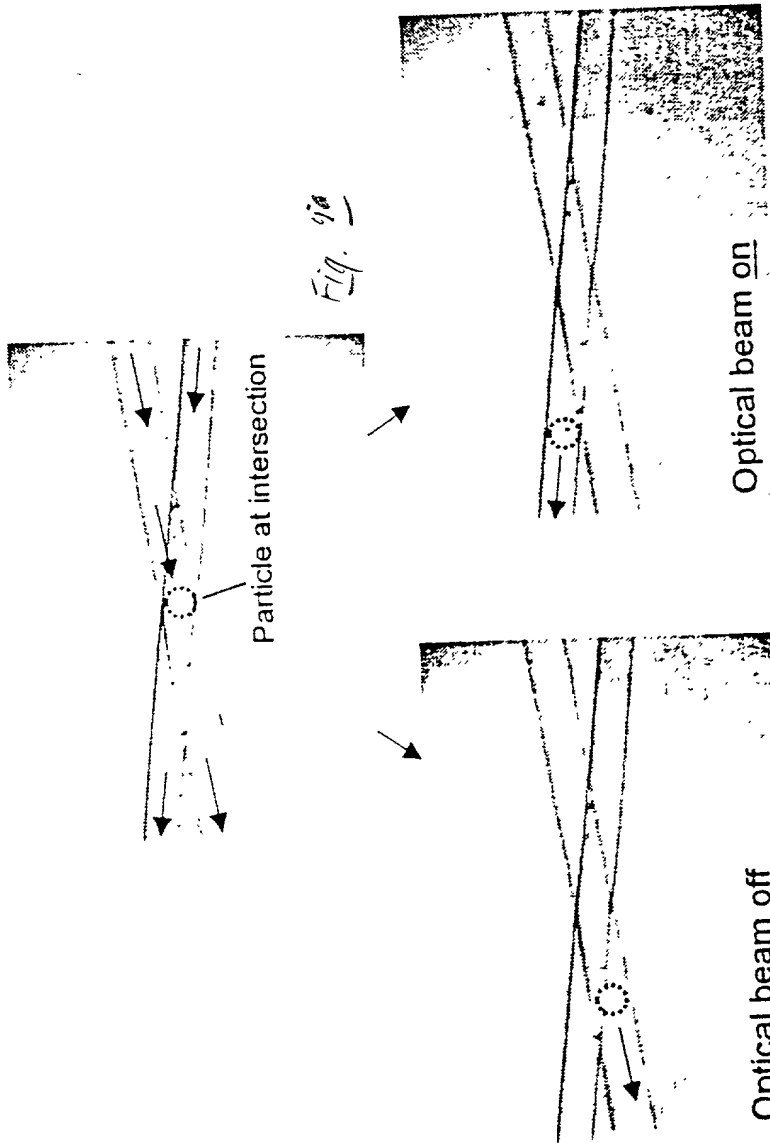


Fig. 9a

Fig. 5c

Fig. 5b

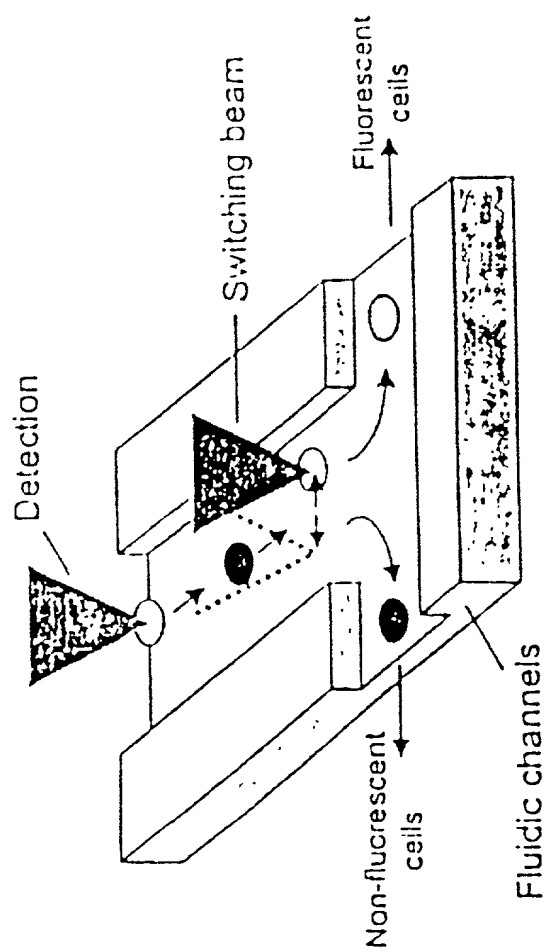


Fig 6

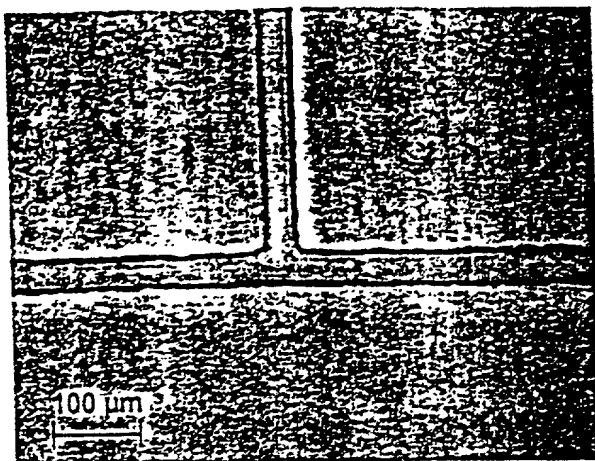


Fig. 7a

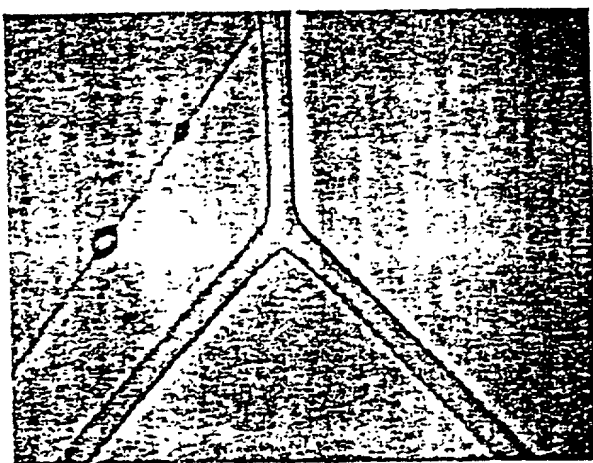


Fig. 7b

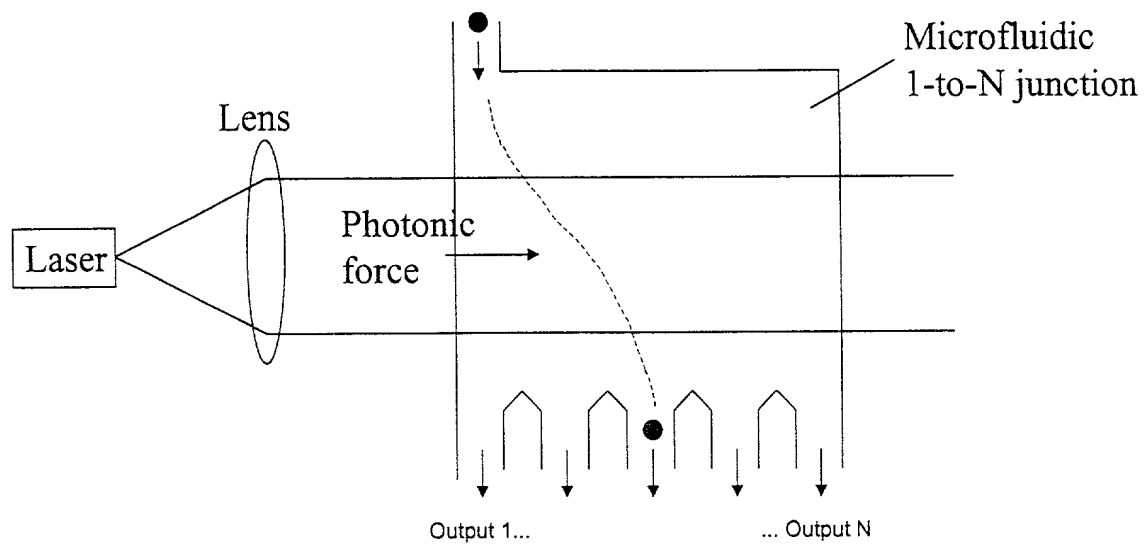


Figure 7.1c 1-to-N optically-switched microfluidic junction

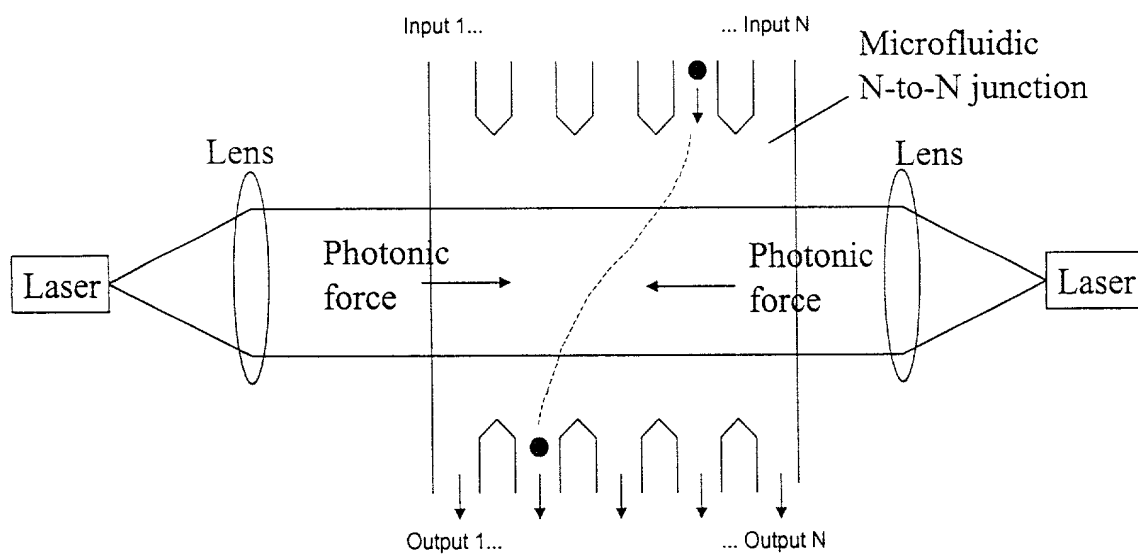


Figure 7.1d N-to-N optically-switched microfluidic junction

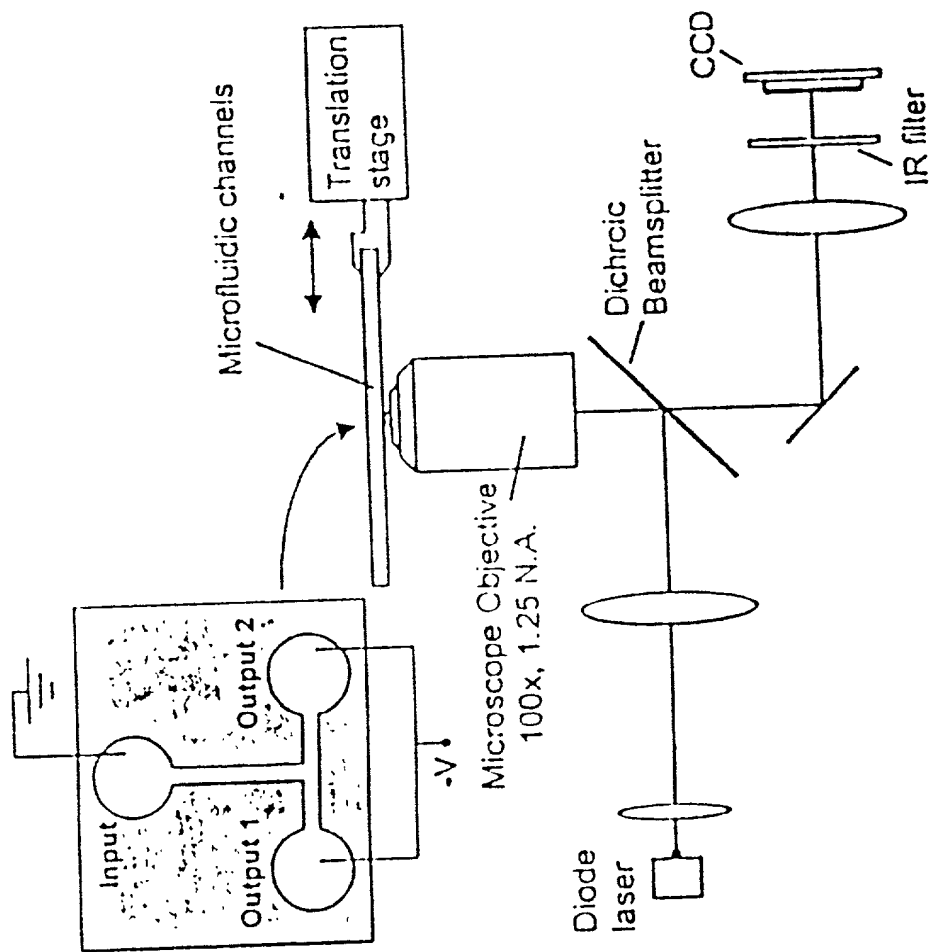


Fig. 8

